

Linux Kali Commands for USB HID Device Permission Setup

1. List all USB devices connected:

```
lsusb
```

Lists all connected USB devices to find vendor and product IDs.

2. Edit or create udev rule file:

```
sudo nano /etc/udev/rules.d/99-hid.rules
```

Open nano editor to add a new udev rule.

3. Add this line inside the file:

```
SUBSYSTEM=="usb", ATTR{idVendor}=="2c7c", ATTR{idProduct}=="0901", MODE="0666"
```

Set permission for device with vendor ID 2c7c and product ID 0901.

4. Reload udev rules:

```
sudo udevadm control --reload-rules
```

Reload rules after editing.

5. Trigger udev to reapply rules:

```
sudo udevadm trigger
```

Apply the new rules to existing devices immediately.

6. Add current user to plugdev group:

```
sudo usermod -aG plugdev $USER
```

Allows user access to removable devices.

7. Check HID raw device nodes and permissions:

```
ls -l /dev/hidraw*
```

8. Get detailed udev info for a device:

```
udevadm info -a -n /dev/hidraw0
```

9. Monitor udev events live:

```
udevadm monitor --property
```

10. Optional repeat commands:

```
ls -l /dev/hidraw*
```

```
sudo udevadm control --reload-rules
```

```
sudo udevadm trigger
```

Important Notes:

- Logout and log back in after adding user to groups.
- Change vendor and product IDs based on your device.
- File name for udev rules must end with ``.rules``.
- Permissions `0666`` allow all users full access; adjust if needed.